Transition diagram for Turing machine 'Doubler Machine'

start

s1

0, 0, N | 1, 0, R

final | s2 | 1, 1, R

0, 0, R

s3 | 1, 1, R

0, 1, L

s4 | 1, 1, L

0, 0, L

0, 1, R

s5 | 1, 1, L